

"Amateur Radio: Combining communication experience with modern digital techniques."

IARU HF Championships 10 and 11 July
Winter QRP Sprint 17 July
Boland ARC 40 m Sprint 25 July
SARL 80 m SSB Club Championships 28 July



July 2010

IARU HF Championships

In July every year, the IARU HF Championship takes place. This year it is from 12:00 UTC on Saturday 10 July to 12:00 UTC on Sunday 11 July. It is a worldwide contest in which thousands of individuals take part, but there is also a section for HQ teams, that is, teams operating under the auspices of national societies. The rules for the contest are included in this issue of HF Happenings.

A group of European amateur radio associations have agreed to take on the job of adjudicating HQ category entries for the 2010 IARU HF Contest, moving to fill the void left after the ARRL announced earlier this month that it would no longer judge the HQ competition because of past rules disputes". Read the details on www.radio-sport.net

WHQS Award

MK QTC, the Polish Radio Amateurs' Journal (qtc.radio.org.pl), sponsors the 2010 W-HQ-S (Worked HQ Stations) award for working at least ten HQ stations during the upcoming IARU HF World Championship. Please e-mail [qtc\[@\]post.pl](mailto:qtc[@]post.pl) for complete details.

WRTC 2010 Online

To make the World Radiosport Team Championships (WRTC) competition much more interesting from a spectator's point of view and to get the contesting community more involved in the WRTC race, an online scoring system will be available at www.wrtc2010.ru/online (the scores will be updated every five minutes).

The WRTC Live section will also feature real time video feeds and photo galleries, as well as a page for you to upload your log immediately after the contest (i.e. no later than 18 UTC on 11 July). Logs can also be sent by e-mail [logs\[@\]wrtc2010.ru](mailto:logs[@]wrtc2010.ru).



WRTC News

Press Release # 22 (Awards and prizes for amateur radio community world-wide):" To encourage the amateur radio community worldwide to make contacts with WRTC-2010 participants during the IARU HF Championship Contest the weekend of 10 and 11 July 2010, we would like to announce our special awards and prizes program.

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July

2 - 12 ZS10WCS operated by East Rand ARC

1 closing date Youth Day logs
3 Durban July; Wimbledon Ladies Final
4 Wimbledon Men's Final
6 closing date Top Band logs
10 - 11 IARU HF Championships
12 closing date Digital contest logs; closing of World Cup Soccer
13 Schools open
17 CQ WW VHF contest
18 Mandela Day; Delville Wood Sunday; CQ WW VHF contest
24 RTA, Cape Town; RSGB IOTA Contest
25 RSGB IOTA Contest; Boland 40 m Sprint
28 SARL Club Phone Contest

August

1 SARL HF Phone Contest
4 closing date SARL Club logs
9 National Women's Day, SARL YL Sprint; closing date Boland logs
12 First day of Ramadan; International Youth Day
16 closing date HF Phone logs
21 RTA Port Elizabeth
21/22 International Lighthouse and Lightship activity
24 closing date YL Sprint logs
29 SARL HF CW Contest
31 African Traditional Medicine Day

WRTC-2010 awards, special plaques, T-shirts and trophies will be issued based upon the following rules:

1. QSO points - All WRTC stations will use distinctive call signs from the block R30A - R39Z. The same WRTC-2010 station may be worked once on CW and once on SSB on each band (80, 40, 20, 15 and 10 m). The WRTC stations will not operate on 160 m. Each confirmed two-way CW or SSB QSO with a WRTC-2010 station counts 1 point.

2. The logs - The WRTC Committee needs as many IARU contest logs as possible to create the QSO data base it will use to cross check the WRTC competitors' logs. We ask all stations working the IARU contest to please send copies of their electronic, Cabrillo formatted logs to logs@wrtc2010.ru or upload them to <http://www.wrtc2010.ru/upload/> no later than 18:00 UTC on Sunday 11 July 2010, (Note: this is only six hours after the end of the contest). The subject field should contain your contest call sign, e.g., "Subject: RA5AA". The Committee guarantees that these logs will be used only to determine winners of the WRTC awards and prizes and for cross checking the WRTC-2010 teams' logs. Please understand that sending us a copy of your log does NOT constitute a log submission for the IARU HF Championship; for that, you should also e-mail your log to IA-RUHF@iaru.org.

3. Awards and Prizes -

* WRTC-2010 Certificate: For making 50 QSO points with the WRTC-2010 stations in any combination of modes and bands.

* WRTC-2010 Special Trophies:

For making QSOs with ALL WRTC-2010 Stations on CW

For making QSOs with ALL WRTC-2010 Stations on SSB

For making QSOs with ALL WRTC-2010 Stations Mixed

* WRTC-2010 T-shirt:

DX: for making 100 QSO points with WRTC-2010 stations

EU: for making 180 QSO points with WRTC-2010 stations

ITU Zone 29: for making 140 QSO points with WRTC-2010 stations

* WRTC-2010 plaques - WRTC-2010 plaques will be issued to the stations with the highest number of QSO points in the following categories:

Worked all WRTC-2010 - Single op CW

Worked all WRTC-2010 - Single op SSB

Worked all WRTC-2010 - Single op Mixed

Worked all WRTC-2010 - Multi op CW

Worked all WRTC-2010 - Multi op SSB

Worked all WRTC-2010 - Multi op Mixed

* WRTC-2010 plaques will be awarded for each of the following areas - Europe; USA; Asia; Japan; North America; HQ stations; South America; European Russia (R1-R7); Africa; Asiatic Russia (R8-R9); Oceania and Asiatic Russia (R0)

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You can upload the complete list of WRTC-2010 station call signs in a comfortable form http://www.wrtc2010.ru/press/wrtc_callsigns.pdf which you can use to mark stations worked per band/mode.

We also ask you to co-operate with requests from R30A - R39Z stations to move to another band or mode with them for a new multiplier or QSO.

WRTC-2010 organising committee

New Chairman for ICASA

The Minister of Communications has appointed Dr Stephen Mncube as the new chairman of the Independent Communications Authority of SA (ICASA) with immediate effect. Dr Mncube succeeds Paris Mashile in the top position and will serve a five-year term to 2015.

Dr Mncube held the positions of chairman of the National Information Technology Forum, chairman of Sentech and as the manager of the Development Information Business Unit at the Development Bank of Southern Africa. He also holds a doctorate in philosophy, a master's degree in social science and a degree in science, which he obtained from the University of Syracuse, in the USA.

Parliament also agreed on three other new councillors. They are William Currie, who is with the Association of Progressive Communications; Joseph Lebooa, a business liaison manager with MTN; and Ntombela Ndhlovu, a legal advisor with MTN. The new councillors will occupy council seats left open by Kobus van Rooyen, Robert Nkuna and Brenda Ntombela.

RTA in Cape Town 24 July 2010

Have you had a look at the programme now available on the web? It is a symposium not to be missed. John Willescroft, ZS6EF, will take the lid off the mystery of digital signal processing and show you how it can change your on the air receive audio experience manifold. A DSP construction kit is also on offer at the RTA. With so much publicity around the Square Kilometre Array project, Adrian Tiplady of the SKA Project Office will bring us up to date with fascinating new information on how they will deal with radio frequency interference as well as details on progress and the new technologies emerging as a result of the project.

Learn about the latest CubeSat being built by students at the Cape Peninsula University of Technology. You will also have the opportunity to visit the satellite laboratory and clean room.

Make sure 24 July is in your diary. The full programme is available on www.sarl.org.za, click on RTA or send an email to rta@sarl.org.za with RTA Cape Town in the subject line, and a PDF version of the programme will be mailed to you.

SARL Winter QRP Sprint

There are going to be 4 QRP contests a year from 2011. To get the timing right we are starting with a winter QRP Contest on 17 July 2010. The times are from 12:00 - 15:00 UTC.

The rules have been posted on the SARL forum. For those who do not go to the forum, send an e-mail to Geoff Levey, ZS6GRL, at glevey@gmail.com to receive a copy of the rules.

The Spring QRP contest has been moved from 12 September 2010 to 23 October 2010.

Results of the ZS4 Sprint

The results for the recent ZS4 Sprint held on 23 May 2010 have been announced. Congratulations to all who persevered through the challenging band conditions. Twelve logs were received electronically. The calculated points for the competitors are as follows:

1st Jan Botha, ZS4JAN, 115 points

2nd Charles le Roux, ZS1CF, 73 points

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- 3rd Wessie Wessels, ZS2A, 69 points
4th Corinna Carstens, ZS1CC, 51 points
5th Theuns Potgieter, ZS2EC, 37 points
6th Allan Wood, ZR1AAH, 35 points
7th Quartus de Witt, ZS6QDW, 31 points
8th Derek Stuart, ZS2J, 29 points
9th Pierre van Deventer, ZS6BB, 26 points
10th Bloemfontein Radio Amateur Club, ZS4BFN, 24 points
11th Marius Preston, ZS4MP, 16 points
12th Dirk Els, ZS6AKU, 13 points.

Poland's first 10-metre beacon

SR4TEN is the first-ever amateur radio ten-metre beacon in Poland and it is located at the office of the QTC Magazine (The Polish Radio Amateurs' Journal) in Suchacz-Zamek (QTH locator: JO94rg, PGA EL09, SPFF-025). It operates with 3 watts out on 28,203 MHz. If you receive SR4TEN, please e-mail your report to qtc@post.pl

Sylwester, SP2FAP, SR4TEN coordinator

The 53rd JOTA 2010

The 53rd Jamboree-on-the-Air (JOTA) will take place on 16 and 17 October 2010. The 14th Jamboree-on-the-Internet or JOTI also takes place that weekend.

The theme of the 53rd JOTA is "The Right to be Heard." This years JOTA will have a theme directly related to article 12 of the Convention of the Rights of the Child: *the Right to be Heard*. The theme is linked to the 20th anniversary of the Convention <http://www.unicef.org/rightsite/>



How is article 12, the Right to be Heard, linked to the JOTA? Scouts in many, but not all, countries have the permission to speak directly over amateur radio. This greatly enhances their JOTA experience: a free and direct exchange of ideas between Scouts of all Nations. It helps them to get a feeling and understanding of other cultures. The Right to be Heard is also a Right to be Listened to.

The International Amateur Radio Union (IARU) is fully supporting the Scouts to participate in JOTA. Moreover, the IARU encourages member societies to educate them in radio techniques so that they may one day operate their own station.

At the IARU Region 1 Conference held in November 2008 in Cavtat, Croatia, the conference passed the following resolution CT08_C3_Rec 24: (Paper CT08_C3_39): *In recognising the importance of the JOTA (Jamboree-On-the-Air) for radio amateur recruiting, it is recommended that Member Societies encourage radio amateurs to assist boy Scouts and girl Guides to participate in the annual JOTA the third full weekend of October each year, organized by the World Organization of the Scout Movement (WOSM) and to use this opportunity to present amateur radio recruiting possibilities to the Scouts/Guides.*

The Right to be Heard on the air. Many amateur radio associations offer youth courses to pass the radio exams, educational, fun to do and another step to the Right to be Heard. Ask your national amateur-radio association for details. Further theme information and suggestions will be available from the JOTA web site soon.

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You can download the 53rd JOTA logos in a file containing all the versions at <http://www.scout.org/en/content/download/20090/185544/file/Logo%20JOTA-JOTI%202010.zip>. It is 454.24 kb in size.

Additional programme suggestions

A few examples of the many programme suggestions available in the JOTA fact sheets (on the radio-scouting web or in printed form):

- The continuing story.... Make up a short imaginative story of ten lines. Read it to the station with whom you are in contact. Ask them to add the next part to this story and pass it on to the next scout station that they will contact. If you receive such a story by radio from another scout group, write it down in your station report afterwards. This activity is also very well suited for RTTY (telex) and packet-radio contacts.
- The global weather situation. Take a large wall map of the whole world. Ask the Scouts who you speak to, to give you the local weather report. Indicate this on the map for the area where they are located. A weather report in a local newspaper will show you how to do this on a map. At the end of the weekend, you have the global weather view.
- Determine the distance of each radio contact that you make and add them all up. Can you reach 100 000 km in one JOTA weekend?
- Make a simple drawing. Give instructions by radio to Scouts how to draw the same picture, line by line, without telling them what the picture is. Can they reconstruct your drawing and tell you what it is?
- Each scout patrol gets 20 metres of ordinary electrical wire. Can they construct a "super antenna," to their imagination, with which the radio operator can make a contact?
- Find out what the local names are for "Scouts" and "Guides" in at least ten different countries. Make a list.
- Learn to sing the first lines of a foreign song. Find some Scouts on the radio from the country where the song comes from. Sing their song and see if they can join you in it.

Furthermore, the on-line radio-scouting library presents you amongst others:

- Idea book for antennas pulled into the air by kites
- Several exciting Foxhunting recipes
- Radio Puzzle games from different countries
- Morse code games
- Idea set for playing with the world's time differences

Participation Cards

This year's participation cards are mailed separately to the National Scout Organisations. The intent is that each participating station receives its card, as a confirmation of its participation and a souvenir of the event.

National JOTA - JOTI Stories

With your help, the World Scout Bureau can compile a world-wide overview of the weekend and make it available to all participants. Of course, the information has to come from the participating Scout groups in your country. Therefore, you may to prepare for that and send a short story of your activities to your National JOTA- or JOTI Organizer after the event.

Note that an increasing number of participating Scout groups are using the on-line web log to submit stories and reports of their JOTA and JOTI adventures. The link to the web log will be available as soon as the weblog is opened.

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Photographs showing Scouts in action at the microphone or keyboard and of other activities like electronic kit building, foxhunting, semaphore, map plotting and the like are most welcome. Of course, we do not need all your photographs; a selected set of e.g. the five best ones is greatly appreciated. So are clippings of local newspapers carrying the story of JOTA - JOTI in your local community.

VU Awards

Arasu, VU2UR, issues a number of awards for contacts made with Indian stations. Recently added to the list are seven certificates for working various islands (VU4, VU7 and VU coastal islands), VU contest stations and stations located in the city of Bengaluru (Bangalore). The certificates are issued in electronic form (.pdf or .jpg files sent to the applicant's e-mail address) and QSL cards are not required. For further information, please contact Arasu at [vu2ur2009\[@\]rediffmail.com](mailto:vu2ur2009[@]rediffmail.com)

African DX

Madeira, CT3, AF-014. Jose, CT1BOH, will be the operator of CR3E from Madeira (AF-014, ITU 36) during the upcoming IARU HF World Championship (10 and 11 July). QSLs direct via W3HNK. You can find more information on his homepage <http://www.qsl.net/ct1boh>

Members of the Portuguese DX Group (CS1GDX) will be active on all modes and bands signing CT3/CS1GDX (AF-014, DIP MA-001, WLOTA LH-0053, DPRN FF-101) from 10 to 13 July. QSL via CS1GDX, eQSL, bureau or direct.

Democratic Republic of the Congo, 9Q. Patrick, ON4HIL expects to operate as 9Q50ON (requested call to celebrate the 50th anniversary of independence of the Congo) from Kinshasa, Democratic Republic of the Congo for about one week starting on 5 or 6 July. "Patrick's visit will be a sort of scouting trip, but plans are that a larger group of Belgian radio amateurs will be setting up an expedition to Congo within a few months". QSL via ON4BR.

Mauritius, 3B8. Armin, DK9PY, will be active as 3B8/DK9PY between 5 and 21 July. Activity will be CW only on 40, 30, 20, 17, 15, 12 and 10 metres. Look for him on 10 kHz from the lower band edges. He states that he has received his license. He might make a side trip for 2 days to Reunion Island (FR) or Rodriguez Island (3B9), but he is not sure yet. He will use a FT-857 with 100 watts into dipoles and a long wire. He will have internet access and might announce himself on the DXcluster. No QSL information was given, but probably via his home call.

Zambia, 9J. Katsumi, JF1OKX, will be active as 9J2KK from Lusaka beginning early July and staying until the end of September 2011. Activity will be on 80 - 6 metres, but concentrating on the Digital modes (PSK31 or 62, RTTY, WSJT and SSTV), with some SSB and CW. QSL via JK1NSR.

Canary Islands, EA8, AF-004. Luke, SQ9IVD, will be active as EA8/SQ9IVD from Fuerteventura Island (DIE S-006, WLOTA L-0883) between 19 July and 5 August. Activity will be on the HF bands, mostly on CW, using 100 watts and wire antennas. Operations on SSB and RTTY are possible. QSL via his home callsign, direct or by the Bureau. Look for the logs to be uploaded to LoTW.

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Egypt, SU. Gab, HA3JB, will once again be active from Cairo between September and November. He has renewed his license as SU/HA3JB. Activity will be on CW, RTTY, SSTV, PSK and some SSB. No bands of operations were provided, but on past operations, he was heard on 80, 40 and 20 metres. He also plans to be in the CQ WW RTTY DX Contest (25 and 26 September). QSL via HA3JB.

More information and updates will be available at <http://www.ha3jb.com/suha3jb.html>

Special Event Stations

Chagos Island. VQ90JC Special Call sign. Jim, VQ9JC / ND9M, says, "I've received a temporary license for what's turning into an annual special prefix operation. I will be signing VQ90JC (nine zero) from 10-25 July 2010 and will participate in both the IARU Radiosport and IOTA Contests, and will be on all bands (if open) including the satellites.

This will be my fourth special prefix call sign.

All operation will have to fall outside of my normal work hours and will typically be 12:00 - 17:30 UTC although I might be able to squeeze in some extra time outside those hours. QSL via my home call, ND9M." [Thanks Hal, ZS6WB]

Austria. The special event stations OE2XXM (St Gilgen) and OE5XXM (Gosau) are working mainly on 2 m, 70 cm and 80, 40 and 20 m from the XXVI International Amateur Radio meeting in Gosau (Dachstein) from 1 to 31 July. See also <http://www.qrz.com/db/oe2xxm> and <http://www.qrz.com/db/oe5xxm>

Colombia. Members of the "Liga Colombiana de Radioaficionados" (HK3LR) may use the special prefixes 5K and 5J (instead of HK and HJ) in July to celebrate 200 years of Colombian independence. The special event stations 5K200LR and HK200LR will be active until the end of this year (both QSL via HK3LR). The "Colombia Bicentenary Contest" will take place on 17 July. See also <http://www.lcra.org.co>

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 6 July to 12 July 2010.

FISTS Summer Sprint

00:00 - 04:00 UTC 10 July

Mode: CW

Bands: 80, 40, 20, 15 and 10 m

Classes: QRP; QRO; Club

Max power: QRO: >5 watts; QRP: 5 watts

Exchange: FISTS: RST, state, province or country, first name and FISTS no; non-FISTS: RST, state, province or country, first name and power

Work stations: Once per band

QSO Points: 5 points per QSO with FIST member; FIST members: 2 points per QSO with non-FIST member

Multipliers: Each US state and VE province once; Each DXCC country once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 9 August 2010

E-mail logs to: [wa1lad\[at\]cox\[dot\]net](mailto:wa1lad@cox.net)

Mail logs to: Gil Woodside, WA1LAD, 30 Hilltop Ave., West Warwick, RI 02893-2825, USA

Find rules at:

<http://www.fists.org/sprints.html>

IARU HF World Championship

12:00 UTC 10 July to 12:00 UTC 11 July

Mode: CW, Phone

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Bands: 160, 80, 40, 20, 15 and 10 m
Classes: Single Op CW - QRP, Low or High;
Single Op Phone - QRP, Low or High; Single
Op Mixed - QRP, Low or High; Multi-Single;
IARU Member Society HQ
Max power: HP: >150 watts; LP: 150 watts;
QRP: 5 watts
Exchange: IARU HQ: RS(T) and IARU Soci-
ety; Non-HQ: RS(T) and ITU Zone no
Work stations: Once per band per mode
QSO Points: 1 point per QSO with same zone
or with HQ stations; 3 points per QSO with
different zone on same continent; 5 points
per QSO with different zone on different
continent
Multipliers: Each ITU zone once per band;
Each IARU HQ and each IARU official once
per band
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 10 August 2010
E-mail logs to: IARUHF[at]iaru[dot]org
Mail logs to: IARU HF Championship, IARU
International Secretariat, Box 310905, New-
ington, CT 06111, USA
Find rules at:
<http://www.arrl.org/iaru-hf-championship>

Feld Hell Sprint
16:00 - 18:00 UTC 10 July
Mode: Feld Hell
Bands: 160, 80, 40, 20, 15 and 10 m
Classes: (none)
Max power: 100 watts
Exchange: (see rules)
Work stations: Once per band
QSO Points: (see rules)
Bonus Points: (see rules)
Multipliers: Each state, province and country
once only
Score Calculation: Total score = (total QSO
points x total mults) and bonus points
Submit logs by: 1 August 2010
E-mail logs to: (none)
Post log summary at:
[http://sites.google.com/site/feldhellclub/Ho
me/contests](http://sites.google.com/site/feldhellclub/Home/contests)
Mail logs to: (none)
Find rules at:

[http://sites.google.com/site/feldhellclub/Ho
me/contests](http://sites.google.com/site/feldhellclub/Home/contests)

SKCC Weekend Sprint
00:00 - 24:00 UTC 11 July
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 and 6 m
Classes: (none)
Exchange: RST, name, state, province or
country and SKCC no or "NONE"
Work stations: Once per band
QSO Points: 1 point per QSO
Bonus Points: (see rules)
Multipliers: Each state, province or country
once
Score Calculation: Total score = (total QSO
points x total mults) and bonus points
Submit logs by: 16 July 2010
Post log summary at:
[http://www.skccgroup.com/sprint/wes/wes-
submit.html](http://www.skccgroup.com/sprint/wes/wes-submit.html)
Mail logs to: (none)
Find rules at:
<http://www.skccgroup.com/sprint/wes/>

ARCI Summer Homebrew Sprint
20:00 - 23:59 UTC 11 July
Mode: CW
Bands: 160, 80, 40, 20, 15 and 10 m
Classes: All Band; Single Band; High Bands;
Low Bands
Exchange: RST, state, province or country
and ARCI no or power
Work stations: Once per band
QSO Points: 5 points per QSO with ARCI
member; 4 points per non-member QSO with
different continent; 2 points per non-
member QSO with same continent
Bonus Points: 2 000 points per band for using
homebrew transmitter; 3 000 points per
band for using homebrew receiver; 5 000
points per band for using homebrew trans-
ceiver; 5 000 points for operating portable
with emergency power and temporary anten-
nas
Multipliers: States, once per band; VE Prov-
inces, once per band; Countries, once per
band





Power Mult: $>5\text{ W} = \times 1$, $1 - 5\text{ W} = \times 7$, $250\text{ mW} - 1\text{ W} = \times 10$, $55 - 250\text{ mW} = \times 15$, $<55\text{ mW} = \times 20$

Score Calculation: Total score = (total QSO points \times (state mults and province mults and country mults) \times power mult) and bonus points

Submit logs by: 11 August 2010

E-mail logs to: [contest\[at\]qrparci\[dot\]org](mailto:contest[at]qrparci[dot]org)

Mail logs to: ARCI Summer Homebrew Sprint, c/o Jeff Hetherington, VA3JFF, 139 Elizabeth St. W., Welland, Ontario L3C 4M3, Canada

Find rules at:

<http://www.qrparci.org/content/view/7516/118/>

Next Week's Contests

This week in History

The week starting Monday 5 July 2010

- 1699 - Pirate Capt William Kidd captured in Boston, MA, and deported to England
- 1858 - The shoe-manufacturing machine patented by Lyman Blake of Abington, MA
- 1865 - CE Barnes of Lowell, MA, patented the machine gun
- 1866 - Edison P. Clark of Northampton, MA, patented his indelible pencil
- 1885 - Louis Pasteur does first effective anti-rabies inoculation on a bitten boy
- 1885 - GM Peters of Xenia, OH, patents the cartridge-loading machine
- 1910 - The first airplane to fly a mile piloted by WR Brookins of Atlantic City, NJ
- 1920 - Radio compass used for the first time on a US Navy airplane

Items used with acknowledgement to The ARRL Letter, Amateur Radio Newsline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News, Southgate ARC and Pete's DX Newsdesk.

Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.

Note for the IARU HF Championships. ITU Zones - a set of 90 geographic zones assigned by the ITU and completely different from CQ Zones. The RSGB has developed a nice Web page on ITU Zones in support of its Worked ITU Zones Program.

IARU HF Championships

1. Eligibility: All licensed amateurs worldwide.
2. Object: To contact as many other amateurs, especially IARU member society HQ stations, around the world as possible using the 160, 80, 40, 20, 15 and 10 metre bands.
3. Date and Contest Period: The second full weekend of July, beginning 1200 UTC Saturday and ending 1200 UTC Sunday (July 10-11, 2010). Both Single and Multi operator stations may operate the entire 24-hour period.
4. Entry Categories:
 - 4.1. Single Operator
 - 4.1.1. Categories
 - 4.1.1.1. Phone only - High, Low and QRP power levels

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- 4.1.1.2. CW only - High, Low, and QRP Power levels
- 4.1.1.3. Mixed mode - High, Low and QRP Power levels
- 4.1.2. One person performs all operating and logging functions.
- 4.1.3. Use of spotting nets, packet or multi-channel decoders (such as CW Skimmer) is not permitted. Single-operator stations that use spotting nets, packet or multi-channel decoders will be reclassified to the Multi-operator, Single Transmitter category.
- 4.1.4. All operators must observe the amateur radio regulations of their country at all times.
- 4.1.5. Single operator stations are allowed only one transmitted signal at any given time.
- 4.2. Multi Operator, Single Transmitter, Mixed Mode only
- 4.2.1. Must remain on a band and mode for at least 10 minutes before changing bands or modes.
- 4.2.2. Only one transmitted signal is allowed at any given time.
- 4.2.2.1. You are not allowed a second radio that works only multipliers.
- 4.2.3. All operators must observe the amateur radio regulations of their country at all times.
- 4.2.4. Violation of the band change rules will reclassify the entry as a check log.
- 4.3. IARU Member Society HQ Station
- 4.3.1. May have only one transmitted signal per band mode (160 CW, 160 Phone, 80 CW, 80 Phone, 40 CW, 40 Phone, 20 CW, 20 Phone, 15 CW, 15 Phone, 10 CW, 10 Phone) at the same time.
- 4.3.2. All stations involved in an HQ operation must be in a single ITU zone.
- 4.3.3. Only one HQ station call sign per member society per frequency band is permitted.
- 4.3.4. All operators must observe the amateur radio regulations of their country at all times.
- 5. Contest Exchange:
- 5.1. IARU member society HQ stations send signal report and official IARU member society abbreviation. IARU International Secretariat club station NU1AW counts as a HQ station. Members of the IARU Administrative Council and the three IARU regional Executive committees send "AC," "R1," "R2," and "R3" as appropriate.
- 5.2. All others send signal report and ITU zone.
- 5.3. A complete exchange must be logged for each valid QSO.
- 6. Valid Contact:
- 6.1. The same station may be worked once per mode per band for QSO credit.
- 6.1.1. Mixed-mode entries may work a station once per mode per band.
- 6.2. A station may only be worked for credit in the portion of the band that is generally accepted for the mode used.
- 6.2.1. On any band, a station may be worked once on Phone (in the Phone segment) and once on CW (in the CW segment).
- 6.2.2. Cross mode, cross band and repeater contacts are not valid QSOs.
- 6.3. Where contest-preferred segments are incorporated into regional band plans, participants must observe them.
- 6.4. The use of non-amateur radio means of communications (e.g. telephone or the Internet) for the purpose of soliciting a contact (or contacts) during the contest period is inconsistent with the spirit and intent of these rules.
- 6.5. Use of self-spotting techniques on packet or other mediums are inconsistent with the spirit and intent of these rules.
- 7. QSO Points:
- 7.1. Contacts within your own ITU zone, as well as QSOs with any IARU-member society HQ station or IARU official (counting as the special multiplier), count one point each.
- 7.1.1. Contacts with a station in the same ITU zone but on a different continent count one point.
- 7.2. Contacts within your continent (but different ITU zone) count three points.
- 7.3. Contacts with a different continent and IARU zone count five points.
- 8. Multipliers:

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- 8.1. The total number of ITU zones plus IARU member society HQ stations worked on each band (not mode). IARU officials represent a maximum of four multipliers per band (AC, R1, R2 and R3).
- 8.2. IARU member society HQ stations and officials do not count for zone multipliers.
- 8.3. To qualify as the special multiplier, Administrative Council and Regional Executive Committee stations must only be operated by the individual station licensee as single operator entry.
9. Scoring:
 - 9.1. The total number of QSO points times the total number of multipliers worked.
10. Reporting:
 - 10.1. Entries must be postmarked or emailed no later than 30 days after the end of the contest (12:00 UTC 10 August 2010).
 - 10.2. Electronic entries must conform to the Cabrillo file format.
 - 10.2.1. The Cabrillo file format and specifications may be found at <http://www.kkn.net/~trey/cabrillo/> or in the November 1999 issue of *QST* magazine.
 - 10.2.2. Any entry which has been generated using a computer (either during the contest or after the contest) must be submitted either as an attachment to an email or on a 3.5" diskette.
 - 10.2.3. Electronic files must use the entrant's callsign as the file name.
 - 10.2.4. The log file must be a chronological list of QSOs as made not separated by band or mode.
 - 10.2.5. Entries sent as attachments to email must be sent to IARUHF@iaru.org
 - 10.2.5.1. Email entries must include the callsign used during the contest on the SUBJECT line of the email.
 - 10.2.6. Entries sent on diskette should be mailed to: IARU HF Championship, IARU International Secretariat, Box 310905, Newington, CT 06111-0905 USA.
 - 10.2.6.1. Diskettes must be clearly labeled with the station call sign, contest name, entry class and date.
 - 10.3. Participants may manually convert their paper logs to a Cabrillo log one QSO at a time and submit their entry using the web applet found at www.b4h.net/cabforms.
 - 10.4. Paper logs must be in chronological order, not separated by bands, and clearly indicate for each contact: band, mode, date, time (in UTC) callsigns, complete exchanges sent and received, multipliers and QSO points.
 - 10.4.1. Multipliers should be marked in the paper log only the first time they are worked on each band.
 - 10.4.2. Paper logs with more than 500 QSO's must include dupesheets (an alpha-numeric list of all callsigns worked, broken down by band and mode.)
 - 10.4.3. All contacts in paper logs must be in chronological order, not separated by bands.
 - 10.4.4. Paper logs must be mailed to IARU International Secretariat, Box 310905, Newington, CT 06111-0905 USA.
 - 10.5. All paper entries must include an official summary sheet or reasonable facsimile thereof with complete contest information.
 11. Awards:
 - 11.1. A certificate will be awarded to the high scoring entry in each category in each ITU zone, each DXCC country and each ARRL Section.
 - 11.2. A certificate of participation will be awarded to each IARU member society HQ station and to each Administrative Council and Regional Executive Committee station.
 - 11.3. Achievement level awards will be issued to those making at least 250 QSOs or having a multiplier total of 75 or more.
 - 11.4. Additional awards may be made at the discretion of each country's IARU member society.
 12. Conditions of Entry:

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- 12.1 By submitting a log to the IARU HF Championships, the submitter agrees that the log may be made public, at the discretion of the Contest Sponsor.
- 12.2. Each entrant agrees to be bound by the provisions of this announcement, by the regulations of his/her licensing authority, and by the decisions of the ARRL Awards Committee, acting for the IARU International Secretariat.
13. Disqualification:
- 13.1. Any entry may be disqualified if the overall score is reduced by more than 2%.
- 13.2. For paper log entries:
- 13.2.1. Score reductions do not include correction of arithmetic errors;
- 13.2.2. Any paper log entry may be disqualified if more than 2% of duplicate QSOs are left in the log and claimed for credit; and
- 13.2.3. A three-QSO reduction will be assessed for each duplicate QSO found during log checking or for miscopied call signs.
- 13.3. For electronic logs, a one-QSO penalty will be assessed for a miscopied call sign.
14. Additional Rules:
- 14.1. For situations not covered in these rules refer to the [ARRL General Rules for All Contests](#) and the [ARRL Rules for Contests on Bands below 30 MHz](#).
15. Additional Information:
- 15.1. Questions may be directed to contests@arrl.org or IARU HF Contest Information, PO Box 310905, Newington, CT 06111-0905 USA.

